

FORM PTO-1449 U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket Number PM9978 DIV

Serial No.

To Be
Determined

10/668,518

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)

Applicants: Hasson et al.

Filing Date: Herewith

Group

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>ju</i>	1.	3,642,851	02/15/72	Bennett	260	448.2N	
	2.	3,646,090	02/29/72	Bennett	260	448.2E	
	3.	3,657,363	04/18/72	Dorko	260	642	
	4.	3,748,864	07/31/73	Lofredo et al.	62	22	
	5.	3,966,781	06/29/76	Atkinson et al.	260	410.9 R	
	6.	3,989,705	11/02/76	Werstiuk et al.	260	290 P	
	7.	4,080,429	03/21/78	Koepe et al.	423	262	
	8.	4,157,495	06/05/79	Grover et al.	324	0.5F	
	9.	4,369,048	01/18/83	Pence	55	66	
	10.	4,385,086	05/24/83	Nakayama et al.	427	387	
	11.	4,417,909	11/29/83	Weltmer, Jr.	62	12	
	12.	4,450,407	05/22/84	Kwon et al.	324	304	
	13.	4,466,442	08/21/84	Hilman et al.	128	653	
	14.	4,599,462	07/08/86	Michl	568	702	
	15.	4,755,201	07/05/88	Eschwey	62	12	
	16.	4,786,302	11/22/88	Osafune et al.	65	3.11	
	17.	4,793,357	12/27/88	Lindstrom	128	654	
	18.	4,862,359	08/29/89	Trivedi et al.	364	413.05	
	19.	4,914,160	04/03/90	Azizian	525	329.3	
	20.	4,977,749	12/18/90	Sercel	62	51.1	
	21.	4,996,041	02/26/91	Arai et al.	424	9	
	22.	5,007,243	04/16/91	Yamaguchi et al.	62	51.1	
	23.	5,008,219	04/16/91	Hara	501	12	
	24.	5,039,500	08/13/91	Shino et al.	423	262	
	25.	5,161,382	11/10/92	Missimer	62	46.1	
<i>ju</i>	26.	5,190,744	03/02/93	Rocklage et al.	424	9	

EXAMINER
*EXAMINER

DATE CONSIDERED

10-13-05

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce
Patent and Trademark Office

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)

Attorney Docket Number PM9978 DIV

Serial No.
To Be
Determined

Applicants: Hasson et al.

Filing Date: Herewith

Group

<i>du</i>	27.	5,352,979	10/04/94	Conturo	324	307	
	28.	5,357,959	10/25/94	Fishman et al.	128	653.2	
	29.	5,394,057	02/28/95	Russell et al.	313	638	
	30.	5,433,196	07/18/95	Fiat	128	632	
	31.	5,494,655	02/27/96	Rocklage et al.	424	9.36	
	32.	5,509,412	04/23/96	Bahn	128	653.2	
	33.	5,617,860	04/08/97	Chupp et al.	128	653.4	
	34.	5,626,137	05/06/97	Dumoulin et al.	128	653.2	
	35.	5,637,507	06/10/97	Wicks et al.	436	166	
	36.	5,642,625	07/01/97	Cates, Jr. et al.	62	55.5	
	37.	5,809,801	09/22/98	Cates, Jr. et al.	62	637	
	38.	5,934,103	08/10/99	Ryan et al.	62	637	
	39.	5,936,404	08/10/99	Ladebeck et al.	324	300	
	40.	5,969,526	10/19/99	Duerr	324	318	
	41.	6,023,162	02/08/00	Johnson	324	300	
<i>du</i>	42.	6,085,743	07/11/00	Rosen et al.	128	200.24	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
<i>du</i>	43.	0620447A2	19/10/94	EPO			
	44.	WO9737239	09/10/97	PCT			
	45.	WO 97/10018	20/03/97	PCT			
	46.	WO98/02209 A2	22/01/98	PCT			
	47.	WO98/43701	08/10/98	PCT			
	48.	WO99/08941	25/02/99	PCT			
	49.	WO 99/14582	25/03/99	PCT			X
	50.	EP 0933062A2	04/08/99	EPO			
	51.	WO 99/25243	27/05/99	PCT			
<i>du</i>	52.	WO 99/17304	08/04/99	PCT			

EXAMINER
*EXAMINER

DATE CONSIDERED

10-13-05

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)					Attorney Docket Number PM9978 DIV		Serial No. To Be Determined
					Applicants: Hasson et al.		
					Filing Date: Herewith		Group
<i>Dr</i>	53.	WO 99/52428	21/10/99	PCT			
	54.	WO99/66255A2	23/12/99	PCT			
	55.	WO 00/21601	20/04/00	PCT			
	56.	WO 00/23797	27/04/00	PCT			
	57.	WO941475A	23/06/94	PCT			
	58.	DE19742548	08/04/99	Germany			
	59.	WO99/66254A1	23/12/99	PCT			
	60.	WO0020042a	13/04/00	PCT			
<i>Dr</i>	61.	WO00/40972	13/07/00	PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>Dr</i>	62.	Romalis et al., "Accurate ^3He Polarimetry Using the Rb Zeeman Frequency Shift Due to the Rb- ^3He Spin-Exchange Collisions," Phys. Rev. A, Vol. 58, No. 4, pp. 3004-3011 (October 1998).					
	63.	Albert et al., " ^{129}Xe Relaxation Catalysis by Oxygen", Abstracts of the 11th Annual Meetings of the Society for Magnetic Resonance Medicine, Abstract No. 4710 (1992).					
	64.	Albert et al., "Measurement of ^{129}Xe T1 in Blood to Explore the Feasibility of Hyperpolarized ^{129}Xe MRI, Jour. Comp. Ass. Tomography, Vol. 19, No. 6 (Nov.-Dec. 1995).					
	65.	Albert et al., "Magnetic Resonance Imaging Using Hyperpolarized ^{129}Xe ," Medical Electronics, pp. 72-80 (December 1994).					
	66.	Albert et al., "Aqueous Shift Reagents for High-resolution Cation NMR. VI," Reprint from NMR in Biomedicine 6 7-20 (1993).					
	67.	Altschuler et al., "Radiobiologic Models for Radiosurgery," Neurosurg. Clin. N. Am., Vol. 3, No. 1, pp. 61-77 (January 1992).					
	68.	Arimoto, et al., "Development of Measurement and Control System for Polarized ^3He Ion Source Based on Electron Pumping," The 11th Symposium on Accelerator Science and Technology, Harima Science Garden City, pp. 14-16 (1997).					
	69.	Augustine et al., "Low Field Magnetic Resonance Images of Polarized Noble Gases Obtained with a dc Quantum Interference Device," App. Phys. Ltrs., Vol. 72, No. 15, pp. 1908-1910 (April 1998).					
	70.	Bárány, M. et al., "High Resolution Proton Magnetic Resonance Spectroscopy of Human Brain and Liver," Magn. Reson. Imaging, 5:393 (1987).					
	71.	Becker et al., "Study of Mechanical Compression of Spin-Polarized ^3He Gas", Nuclear Instruments and Methods In Physics Research, Vol. A 346, pp. 45-51 (1994).					
	72.	Belliveau et al., "Functional Cerebral Imaging by Susceptibility-Contrast NMR," 14 Magnetic Resonance in Medicine 14, pp. 538-546 (1990).					
<i>Dr</i>	73.	Bhaskar et al., "Efficiency of Spin Exchange between Rubidium Spins and ^{129}Xe Nuclei in a Gas",					

 EXAMINER
 *EXAMINER

DATE CONSIDERED

10-19-05

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		Attorney Docket Number PM9978 DIV	Serial No. To Be Determined
		Applicants: Hasson et al.	
		Filing Date: Herewith	Group
<i>Dr</i>		Physical Review Letters, Vol. 49, No. 1, pp. 25-28 (7/5/82).	
<i>Dr</i>	74.	Bifone, et al., "NMR of laser-polarized xenon in human blood," Proc. Natl. Acad. Sci. USA, Vol. 93, pp. 12932-12936 (November 1996).	
	75.	Bishop et al., "High-Order Multipolar Hyperpolarizabilities with Imaginary Frequency for H and He," Int'l. Jour. Of Quan. Chem., Vol. 59, pp. 103-108 (1996).	
	76.	Bishop et al., "The Interaction Polarizability and Interaction Second-Hyperpolarizability for He...He," Molecular Phys., Vol. 88, No. 4, pp. 887-898 (1996).	
	77.	Blumgart et al., "Studies on the Velocity of Blood Flow," J. Clin. Invest., 4:339-425 (1927).	
	78.	Bock, "Simultaneous T ₂ * and Diffusion Measurements with ³ He," Mag. Reson. In Med., Vol. 38, No. 6, pp. 890-895 (1997).	
	79.	Bouchiat et al., "Relaxation of Optically Pumped Rb Atoms on Paraffin-Coated Walls," Phys. Rev., Vol. 147, No. 1 (7/8/66).	
	80.	Brochure, Jensen Inert Products, Gas Sampling Bags, Jensen@jenseninert.com (copyright 1997).	
	81.	Brunner et al., "Communications: Gas Flow MRI Using Circulating Laser-Polarized ¹²⁹ Xe," J. Mag. Res. Vol. 138, pp. 155-159 (1999).	
	82.	Burt et al., "Fluorinated Anesthetics as Probes of Lipophilic Environments in Tumors," J. Magn. Reson., 53:163 (1983).	
	83.	Burt et al., The Fluorinated Anesthetic Halothane as a Potential NMR Biologic Probe," Biochem. Biophys. Acta., 805:375 (1984).	
	84.	Cain et al., "Nuclear Spin Relaxation Mechanisms and Mobility of Gases in Polymers," J. Phys. Chem., Vol. 94, No. 5, pp. 2128-2135 (1990).	
	85.	Carver, T.R., "Optical Pumping," Science, Vol. 141, No. 3581, pp. 599-608 (1963).	
	86.	Cates et al., "Rb- ¹²⁹ Xe spin-exchange rates due to binary and three-body collisions at High Xe pressures", Physical Review A, Vol. 45, p. 4631 (1992).	
	87.	Cates, "New Results from Spin-Exchange Optical Pumping," Am. Inst. Phys. pp. 3-15 (1998).	
	88.	Chawla, et al., "In Vivo Magnetic Resonance Vascular Imaging Using Laser-Polarized 3He Microbubbles," Proc. Natl. Acad. Sci, Vol. 95, pp. 10832-10835 (September 1998).	
	89.	Chen et al., "Oxygen enhanced MR ventilation imaging of the lung," Mag. Res. Mat'ls in Phys., Bio. & Med., Vol. 7 pp. 153-161 (1998).	
	90.	Chernikov et al., "1083nm Ytterbium Doped Fibre Amplifier for Optical Pumping of Helium," Elec. Ltrs., Vol. 33, No. 9, 3 pages (24 April 1997).	
	91.	Chupp et al., "Chemical Shift Imaging of Laser-Polarized ¹²⁹ XE Magnetization in Rats In Vivo," European Radiology, 9:B45 (1999).	
	92.	Colegrove et al., "Polarization of He ³ Gas by Optical Pumping,," Phys. Rev., Vol. 132, No. 6, pp. 2561-2572 (1963).	
<i>Dr</i>	93.	Constantinesco et al., "MRI of Hyperpolarized Gases in Competition with Nuclear Medicine?"	

 EXAMINER
 *EXAMINER

DATE CONSIDERED

10-13-05

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		Attorney Docket Number PM9978 DIV Applicants: Hasson et al. Filing Date: Herewith	Serial No. To Be Determined Group
9		Médecine Nucléaire, Vol. 21, No. 5, pp. 285-292 (1997-98) (French).	
	94.	Cummings et al., "Optical pumping of Rb vapor using high-power Ga _{1-x} As _x as diode laser arrays," Phys. Rev. A, Vol. 51, No. 6, pp. 4842-4851 (1995).	
	95.	Darrasse, et al., "Low-field ³ He nuclear magnetic resonance in human lungs," C.R. Acad. Sci., Paris, t. 324, Series II b, pp. 691-700 (1997) (French).	
	96.	Deninger et al., "Quantification of Regional Intrapulmonary Oxygen Partial Pressure Evolution during Apnea by ³ He MRI," J. Mag. Res., Vol. 141, pp. 207-216 (1999).	
	97.	De Schepper, "The HERMES ³ He target," AIP Conf. Proc., Vol. 421, No. 1, pp. 16-25 (January 1998).	
	98.	Detre et al., "Measurement of Regional Cerebral Blood Flow in Cat Brain Using Intracardiac ² H ₂ O and ² H NMR Imaging," 14 Mag. Reson. In Med., pp. 389-395 (1990).	
	99.	Diehl et al., "Nuclear Magnetic Relaxation of the ¹²⁹ Xe and ¹³¹ Xe Isotopes of Xenon Gas Dissolved in Isotropic and Anisotropic Liquids," J. Magn. Reson., Vol. 88, pp. 660-665 (1990).	
	100.	Dodell, "The Look of Lungs, NCRR Reporter, 3 pages (Nov./Dec. 1995), http://ch.nus.sg/MEDNEWS/feb96/hicn9095_7.htm .	
	101.	Driehuys et al., "High-volume production of laser-polarized ¹²⁹ Xe," Appl. Phys. Lett., Vol. 69, No. 12 (16 September 1996).	
	102.	Eberle et al., "Analysis of intrapulmonary O ₂ concentration by MR imaging of inhaled hyperpolarized helium-3," Am. Physiological Soc., pp. 2043-2052 (1999).	
	103.	Eberle et al., "Determination of Regional Intrapulmonary Oxygen Concentration by Magnetic Resonance Imaging of inhaled Hyperpolarized ³ Helium," Anesthesiology, Vol. 89, No. 3A (September 1998).	
	104.	Ebert et al., "Nuclear magnetic resonance imaging with hyperpolarized helium-3," Lancet (NA ed), Vol. 347, pp. 1297-1299 (May 1996).	
	105.	Ernst et al., Chapter 10, "Nuclear Magnetic Resonance Imaging," Prin. of Nuclear Mag. Reson. in One and Two Dimensions, pp. 539-564 and 594-596 (1987).	
	106.	Evers et al., "Correlation between the anaesthetic effect of halothane and saturable binding in brain," Nature, Vol. 328, pp. 157-160 (9 July 1987).	
	107.	Freed, "Dynamic Effects of Pair Correlation Functions on Spin Relaxation by Translational Diffusion in Liquids. II. Finite Jumps and Independent T ₁ Processes," 68 J. Chem. Phys., Vol. 9, pp. 4034-4037 (1978).	
	108.	Gatzke et al., "Extraordinarily Slow Nuclear Spin Relaxation in Frozen Laser-Polarized ¹²⁹ Xe", Phys. Rev. Lett., Vol. 70, No. 5, pp. 690-693 (1 February 1993).	
	109.	George, "The Sharper Image: MRIs and Xenon Gas," Jour. of NIH Res., Vol. 6, No. 12, pp. 42-44 (December 1994).	
	110.	Glover et al., "Research Directions in MR Imaging ¹ ," Radiology, Vol. 207, pp. 289-295, (1998).	
Lu	111.	Gregory et al., "Pore Structure Determinations of Silica Aerogels by ¹²⁹ Xe NMR Spectroscopy and Imaging," J. Mag. Reson., Vol. 131, No. 2, pp. 327-335 (April 1998).	

 EXAMINER
 *EXAMINER

DATE CONSIDERED

10-13-05

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office		Attorney Docket Number PM9978 DIV	Serial No. To Be Determined
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		Applicants: Hasson et al.	
		Filing Date: Herewith	Group
	112.	Grover, "Noble-Gas NMR Detection through Noble-Gas-Rubidium Hyperfine Contact Interaction," Phys. Rev. Lett., Vol. 40, No. 6, pp. 391-392 (1978).	
	113.	Hadeishi et al., "Nuclear Alignment of the 1S_0 Ground State of ^{131}Xe by Electron Pumping and Metastability-Exchange Collisions," Phys. Rev. Lett., Vol. 19, p. 211-213 (1967).	
	114.	Happer et al., "An Optical Pumping Primer," Hyperfine Interactions, Vol. 38, pp. 435-470 (1987).	
	115.	Happer et al., "Polarization of the nuclear spins of noble-gas atoms by spin exchange with optically pumped alkali-metal atoms," Phys. Rev. A, Vol. 29, No. 6, p. 3092-3110 (June 1984).	
	116.	Hardy et al., "Broadband nuclear magnetic resonance pulses with two-dimensional spatial selectivity," J. Appl. Phys., Vol. 66, No. 4, pp. 1513-1516 (15 August 1989).	
	117.	Hardy et al., "Correcting for Nonuniform k -Space Sampling in Two-Dimensional NMR Selective Excitation," Jnl. Magnetic Resonance, Vol. 87, pp. 639-645 (1990).	
	118.	Hardy et al., "Spatial Localization in Two Dimensions Using NMR Designer Pulses," J. Magnetic Resonance, Vol. 82, pp. 647-654 (1989).	
	119.	Hou, et al., "Optimization of Fast Acquisition Methods for Whole-Brain Relative Cerebral Blood Volume (rCBV) Mapping with Susceptibility Contrast Agents," J. Mag. Res. Imaging, Vol. 9 pp. 233-239 (1999).	
	120.	Hunt et al., "Nuclear Magnetic Resonance of ^{129}Xe in Natural Xenon," Phys. Rev., Vol. 130, pp. 2302-2305 (15 June 1963).	
	121.	Imai et al., "LCBF Values Decline While LA Values Increase During Normal Human Again Measured by Stable Xenon-enhanced Computed Tomography," Neuroradiology, Vol. 30, pp. 463-472 (1988).	
	122.	Jaduszliwer et al., "Optical spin polarization and state-sensitive detection of a cesium atomic beam," Phys. Rev. A, Vol. 48, No. 3, pp. 2102-2107 (September 1993).	
	123.	Jameson et al., "Nuclear Spin Relaxation by Intermolecular Magnetic Dipole Coupling in the Gas Phase. ^{129}Xe in Oxygen," J. Chem. Phys., Vol. 89, pp. 4074-4081 (1988).	
	124.	Kaatz et al., "A comparison of molecular hyperpolarizabilities from gas and liquid," J. Chem. Phys., Vol. 108, No. 3, pp. 849-856 (1/15/98).	
	125.	Kanal et al., Chapter 2 "Signal-to-Noise Ratio, Resolution, and Contrast," Biomedical Magnetic Imaging, pp. 47-114, VCH Publishers, New York (1988).	
	126.	Kendall et al., "Xenon as a Contrast Agent for Computed Tomography," J. Neuroradiology, Vol. 8, No. 3, pp. 3-12 (1981).	
	127.	Knudsen et al., "Blood-brain barrier permeability measurements by double-indicator method using intravenous injection," Am. J. Physiol. 266 (Heart Circ. Physiol. 35) pp. H987-H999 (1994).	
	128.	Laloe et al., AIP Conf. Proc. #131, Workshop on Polarized ^3He Beams and Targets, Am. Inst. of Physics, NY, pp. 47-72 (1985).	
	129.	Lassen, "Cerebral Transit of an Intravascular Tracer May Allow Measurement of Regional Blood Volume But Not Regional Blood Flow," 4 J. Cereb. Blood Flow and Metab., pp. 633-634 (1984).	
	130.	Le Bihan, "Magnetic Resonance Imaging of Perfusion*," Mag. Reson. In Med., Vol. 14, pp. 283-292	

EXAMINER
*EXAMINER

DATE CONSIDERED

10-13-05

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		Attorney Docket Number PM9978 DIV	Serial No. To Be Determined
		Applicants: Hasson et al.	
		Filing Date: Herewith	Group
<i>2</i>		(1990).	
	131.	Le Roux et al., "Gas Transport Properties of Surface Fluorinated Poly(vinyltrimethyl-silane) Filmes and Composite Membranes," J. Membrane Sci., Vol. 90, pp. 55-68 (1994).	
	132.	Li et al., "Long-range, collision-induced hyperpolarizabilities of atoms or centrosymmetric linear molecules: Theory and numerical results for pairs containing H or He," J. Chem. Phys., Vol. 105, No. 24, pp. 10954-10968 (12/22/996).	
	133.	Lockhart et al., "Absence of Abundant Binding Sites for Anesthetics in Rabbit Brain: An <i>In Vivo</i> NMR Study," Anesthesiology, Vol. 73, pp. 455-460 (1990).	
	134.	Long et al., "High-Field Cross Polarization NMR from Laser-Polarized Xenon to a Polymer Surface," J. Am. Chem. Soc., Vol. 115, pp. 8491-8492 (1993).	
	135.	Luhmer et al., "Study of Xenon Binding in Cryptophane-A Using laser-Induced NMR Polarization Enhancement," J. Am. Chem. Soc., Vol. 121, pp. 3502-3512 (1999).	
	136.	Lunsford et al., " <i>In Vivo</i> Biological Effects of Stereotactic Radiosurgery: A Primate Model," Neurosurgery, Vol. 27, No. 3, pp. 373-382 (September 1990).	
	137.	Mair et al., "Probing Porous Media with Gas Diffusion NMR," Phys. Rev. Ltrs., Vol. 83, No. 16, pp. 3324-3327 (1999).	
	138.	Mair et al., "Magnetic Resonance Imaging of Convection in Laser-Polarized Xenon," Phys. Rev. E, Vol. 61, No. 3 (March 2000).	
	139.	Manabé et al., "0.1-T Human Fat/Water Separation by SIDAC," Mag. Reson. In Med., Vol. 5, pp. 492-501 (1987).	
	140.	Mansfeld et al., "The use of ^{129}Xe NMR exchange spectroscopy for probing the microstructure of porous materials," Chem. Phys. Ltrs., Vol. 213, No. 1, 2, pp. 153-157 (1 October 1993).	
	141.	Martin, "The Pharmacokinetics of Hyperpolarized Xenon: Implications for Cerebral MRI," Jour. Magn. Reson. Imag., Vol. 7, No. 5, pp. 848-854 (Sep.-Oct. 1997).	
	142.	McKim et al., "Evidence of xenon transport through the gramicidin channel: a ^{129}Xe -NMR study," Biochimica et Biophysica Acta 1193, pp. 186-198 (1994).	
	143.	Middleton, "The Spin Structure of the Neutron Determined Using a Polarized ^3He Target", Ph.D. Dissertation, Princeton University (November 1994).	
	144.	Miller et al., "Xenon NMR: Chemical shifts of a general anesthetic common solvents, proteins, and membranes", Proc. of the Nat. Acad. of Sci. (USA), Vol. 78, No. 8, pp. 4946-4949 (August 1981).	
	145.	Miller, " ^{129}Xe NMR in Polymers," Rubber Chem. and Tech., Vol. 66, pp. 455-461 (1993).	
	146.	Mohr et al., "Surface Fluorination of Composite Membranes. Part I. Transport Properties," J. Membrane Sci., Vol. 55, pp. 131-148 (1991).	
	147.	Moschos et al., "Communications Nuclear Magnetic Relaxation of Xenon-129 Dissolved in Organic Solvents," J. Mag. Reson., Vol. 95, pp. 603-606 (1991).	
<i>2</i>	148.	Mugler, III et al. "Gradient-Echo MR Imaging," RSNA Categorical Course in Physics: The Basic Physics of MR Imaging, U. of VA Health Sci. Ctr., pp. 71-88 (1997).	

 EXAMINER
 *EXAMINER

DATE CONSIDERED

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office		Attorney Docket Number PM9978 DIV	Serial No. To Be Determined
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		Applicants: Hasson et al.	
		Filing Date: Herewith	Group
<i>g</i>	149.	Newbury et al., "Gaseous ^3He - ^3He Magnetic Dipolar Spin Relaxation," Phys. Rev. A, Vol. 48, No. 6, pp. 4411-4420 (1993).	
	150.	Ottinger et al., "Broadening of the Rb Resonance Lines by the Noble Gases," Phys. Rev. A, Vol. 11, pp. 1815-1828 (1975).	
	151.	Pasquier et al., " ^{129}Xe NMR as a Probe of the Dynamics of Gas Confined in Porous Vycor," Mag. Reson. Imag., Vol. 14, No. 7/8, pp. 971-973 (1996).	
	152.	Pauly, "Permeability and Diffusion Data," The Polymer Handbook, VI, pp. 435-449.	
	153.	Peled et al., "Determinants of Tissue Delivery for ^{129}Xe Magnetic Resonance in Humans," Mag. Res. Med, Vol. 36, pp. 340-343 (1996).	
	154.	Pfeffer et al., " ^{129}Xe Gas NMR Spectroscopy and Imaging with a Whole-Body Imager," J. Mag. Reson. Series A 108, pp. 106-109 (1994).	
	155.	Pietraß et al., "Optically Polarized ^{129}Xe in NMR Spectroscopy," Advanced Materials, pp. 826-838 (1995)	
	156.	Pollack et al., "Solubility of xenon in liquid n-alkanes: Temperature dependence and thermodynamic functions," J. Chem. Phys., Vol. 7, No. 6, pp. 3221-3229 (15 September 1982).	
	157.	Pollack et al., "Solubility of xenon in liquid n-alkanois: Thermodynamic functions in simple polar liquids," J. Chem. Phys., 81 (7) pp. 3239-3246 (1 October 1984).	
	158.	Raftery, et al., "High-Field NMR of Adsorbed Xenon Polarized by Laser Pumping," Phys. Rev. Lett., Vol. 66, No. 5, pp. 584-587 (4 February 1991).	
	159.	Raftery, et al., "NMR of optically pumped xenon thin films," Chem. Phys. Lett., Vol. 191, No. 5, pp. 385-390 (4/8/92).	
	160.	Rinck et al., "NMR-Imaging of Fluorine-Containing Substances. ^{19}F Fluorine Ventilation and Perfusion Studies," Vol. 140, No. 3, pp. 239-243 (March 1984) (German).	
	161.	Robillard, Jr. et al., "Aromatic Hydrophobes and β -Lactoglobulin A. Thermodynamics of Binding," Biochemistry, Vol. 11, No. 21, pp. 3835-3840 (1972).	
	162.	Ruth et al., "Production of Nitrogen-Free, Hyperpolarized ^{129}Xe Gas," Appl. Phys. B, Vol. 68, pp. 93-97 (1999).	
	163.	Sauer et al., "Laser-Polarized Liquid Xenon," Chem. Phys. Lett., Vol. 277, pp. 153-158 (3 October 1997).	
	164.	Schaefer et al., "Frequency shifts of the magnetic-resonance spectrum of mixtures of nuclear spin-polarized noble gases and vapors of spin-polarized alkali-metal atoms," Phys. Rev. A., Vol. 39, No. 11, pp. 5613-5623 (1989).	
	165.	Schaefer et al., "Determination of spin-exchange parameters between optically pumped rubidium and ^{83}Kr ," Phys. Rev. A., Vol. 41, No. 11, pp. 6063-6070 (1990).	
<i>g</i>	166.	Scheerer, "Optical Pumping of Neon ($^3\text{P}_2$) Metastable Atoms," Phys. Rev., Vol. 180, No. 1, pp. 83-90	

EXAMINER
*EXAMINER

DATE CONSIDERED

10-13-05

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office		Attorney Docket Number PM9978 DIV	Serial No. To Be Determined
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		Applicants: Hasson et al.	
		Filing Date: Herewith	Group
<i>Lu</i>		(1969).	
	167.	Schearer, "Optical Pumping of Neon Metastable ($^3\text{P}_2$) Atoms," Phys. Rev. Lett., Vol. 21, No. 10, pp. 660-661 (2 September 1968).	
	168.	Schearer, "Optical Pumping of $^3\text{P}_2$ Argon and Xeon Atoms," Phys. Lett., Vol. 28A, No. 9, pp. 660-661 (10 February 1969).	
	169.	Schearer, "Depolarization Cross Sections for the Metastable Noble Gases by Optical Pumping," Phys. Rev., Vol. 188, No. 1, pp. 505-506 (5 December 1969).	
	170.	Schmidt et al., "Diffusion Imaging with Hyperpolarized ^3He Gas," J. Mag. Reson., Vol. 129, pp. 184-187 (1997).	
	171.	Schoenborn, "Binding of Xenon to Horse Haemoglobin," Nature, Vol. 208, pp. 760-762 (November 20, 1965).	
	172.	Shang-Yi, "Broadening, Asymmetry and Shift of Rubidium Resonance Lines Under Different Pressures of Helium and Argon up to 100 Atmospheres," Phys. Rev., Vol. 58, pp. 1051-1058 (1940).	
	173.	Simonsen et al., "CBF and CBV Measurements by USPIO Bolus Tracking: Reproducibility and Comparison with Gd-Based Values," J. Mag. Reson. Imag., Vol. 9, pp. 342-347 (1999).	
	174.	Sled et al., "Standing-Wave and RF Penetration Artifacts Caused by Elliptic Geometry: An Electrodynamic Analysis of MRI," IEEE Transactions on Medical Imaging, Vol. 17, No. 4, pp. 653-662 (August 1998).	
	175.	Song et al., "Spin-Polarized ^{129}Xe Gas Imaging of Materials," J. Mag. Reson., Series A 115, pp. 127-130 (1995).	
	176.	Surkau et al., "Large hyperpolarized ^3He quantities for ^3He -MRI of the lung," Proceedings of the Int'l Soc. for Mag. Res. In Med., 5th Sci. Mtg. and Exh, Vancouver, BC, Canada (April 12-18, 1997)	
	177.	Susskind et al., "Studies of Whole-Body Retention and Clearance of Inhaled Noble Gases," Prog. Nucl. Med., Vol. 5, pp. 13-34 (1978).	
	178.	Swanson et al., "Brain MRI with Laser-Polarized ^{129}Xe ," Mag. Res. Med., Vol. 38, pp. 695-698 (1997).	
	179.	Tilton, Jr., et al, "Nuclear Magnetic Resonance Studies of Xenon-129 with Myoglobin and Hemoglobin," Biochemistry, Vol. 21, No. 26, pp. 6850-6857 (1982).	
	180.	Tongier et al., "Use of Cuffed Oropharyngeal Airway (COPA) as an Alternative to the LMA for Providing Positive Pressure Ventilation during Ambulatory Anesthesia," Anesthesiology, Vol. 89, No. 3A (September 1996).	
	181.	Tseng et al., "NMR of Laser-Polarized ^{129}Xe in Blood Foam," J. Mag. Res., Vol. 126, pp. 79-86 (1997).	
	182.	Wilcock, R.J. et al., "Solubilities of gases in liquids II. The solubilities of He, Ne, Ar, Kr, O ₂ , N ₂ , CO, CO ₂ , CH ₄ , CF ₄ , and SF ₆ in n-octane 1-octanol, n-decane, and 1-decanol," J. Chem. Thermodyn., Vol. 10, pp. 817-822 (1978).	
	183.	Wilms et al., "Polarimetry on dense samples of spin-polarized ^3He by magnetostatic detection," Nuc. Instru. & Methods in Phys. Res. A, Vol. 401, pp. 491-498 (1997).	
<i>Lu</i>	184.	Wu et al., "Experimental Studies of Wall Interactions of Adsorbed Spin-Polarized ^{131}Xe Nuclei," Phys.	

EXAMINER
*EXAMINER

DATE CONSIDERED

10-13-05

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[illegible]

EXAMINER
*EXAMINER

DATE CONSIDERED

10-13-05

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.